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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): DEAN, FRANK W. § ATTORNEY DOCKET No.: SLRE.71850/11  
§  
§  
SERIAL No.: 10/720,326 §  
§  
FILING DATE: NOVEMBER 24, 2003 § ART UNIT: 1621  
§  
TITLE: (AMENDED) PLANT SEEDS § EXAMINER: KUMAR, SHAILENDRA  
TREATED WITH N, N'-  
SUBSTITUTED UREAS §  
§

INFORMATION DISCLOSURE STATEMENT  
SUBMITTED IN FULFILLMENT OF THE  
REQUIREMENTS OF 37 C.F.R. § 1.56

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING 37 C.F.R. § 1.8

I hereby certify that this correspondence and all referenced enclosures are being deposited by me with the United States Postal Service as first class mail, postage prepaid in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia, 22313-1450 on October 22, 2004.

By: \_\_\_\_\_

Walter R. Brookhart

Dear Sir:

Enclosed in partial fulfillment of the requirements of 37 C.F.R. § 1.56 is Form PTO-1449, together with a copy of each of the cited references.

Some of the enclosed references were discussed in the application in the section entitled *Background of the Invention*. In accord with Applicant's duty of disclosure to the Patent and Trademark Office, additional references presently believed by Applicant to be relevant to this application are listed on accompanying Form PTO-1449 and enclosed herewith. These references are well known to the Examiner, having been cited and discussed by both the Examiner and Applicant during prosecution of the parent, grandparent and great grandparent applications. Those applications issued as United States Patent Nos. 6,710,085; 6,448,440; and 6,040,273, respectively.

As has already been recognized by the Examiner in the prior applications, none of the patents and articles listed on the accompanying form PTO-1449 either discloses or suggests the novel and non-obvious methods for producing diacyl ureas, including diformylurea, and for enhancing plant growth by applying those diacyl ureas to plant seeds prior to planting, to soil surrounding the plant or to foliage of the plant. Specifically, none of these references discloses or suggests the improved plant seeds treated with those compounds claimed in the captioned application.

This Information Disclosure Statement, together with the Form PTO-1449 and a copy of each of the cited references, is being submitted prior to the issuance of an action on the merits in accord with the requirements of 37 C.F.R. § 1.97(b)(3). Accordingly, no fee is required with this submission. The Commissioner, however, is authorized to charge any fee which may be required with this submission to Deposit Account No. 19-2112. This authorization is provided in duplicate in the accompanying cover letter.

Having met all the requirements of 37 C.F.R. § 1.97, Applicant requests that the Examiner formally make of record the references listed on the enclosed Form PTO-1449.

Respectfully submitted,

  
\_\_\_\_\_  
Walter R. Brookhart  
Reg. No. 29,518

Date: 21 October 2004  
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October 21, 2004

1621  
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Re: Our Ref.: SLRE.71850/11  
United States Patent Appln. No. ~~10/207,505~~  
Inventor: DEAN, Frank W.  
Title: Plant Seeds Treated with N, N' Substituted Ureas

Dear Sir:

Enclosed herewith are the following documents:

- Information Disclosure Statement Submitted in Fulfillment of the Requirements of 37 C.F.R. § 1.56;
- Form PTO-1449 w/ cited references;
  - U.S. Patent No. 4,950,323;
  - U.S. Patent No. 4,935,413;
  - U.S. Patent No. 2,135,064;
  - U.S. Patent No. 773,251
  - Soviet Union Patent No. 570,579
  - Germany Patent No. 90,137
  - Jirman, *et al.*, Collection Czechoslovak Chem. Commun., Vol. 52, pp 2474-2481 (1987);
  - Jirman, *et al.*, Collection Czechoslovak Chem. Commun., Vol. 57, pp 1278-1281 (1992); and
- a self-addressed postal card to acknowledge receipt of the foregoing submissions.

No fees are required with this submission. However, the Commissioner is authorized to charge Deposit Account No. 19-2112 for any fees which may be required in connection with this filing. This authorization is made in duplicate.

Respectfully submitted,

Walter R. Brookhart  
Reg. No. 29,518

Geneva  
Houston  
Kansas City  
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Enclosures

**CERTIFICATE OF MAILING - 37 C.F.R. § 1.8**

I hereby certify that this correspondence and all referenced enclosures are being deposited by me with the United States Postal Service as first class mail, postage prepaid in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia, 22313-1450 on October 22, 2004.

By:

Walter R. Brookhart

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PTO-1449 (Modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTORNEY DOCKET No.: SLRE.71850/11	SERIAL NUMBER: 10/720,326
	APPLICANTS: DEAN, FRANK WILLIAM	
	FILING DATE: NOVEMBER 24, 2004	GROUP: 1621

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT/ PUBLICATION NUMBER	ISSUE/ PUBLISHED DATE	INVENTOR	CLASS	SUBCLASS	FILING DATE
	4,950,323	08/21/1990	Kezerian	71	120	
	4,935,413	06/19/1990	Urano, <i>et al.</i>	514	178	
	2,135,064	11/01/1938	Whitmore, <i>et al.</i>	564	45	
	773,251	10/25/1904	Fischer, <i>et al.</i>	564	45	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	570,579	10/10/1977	Soviet Union				
	90,137	05/20/1972	Germany				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, RELEVANT PAGES, PLACE OF PUBLICATION)
	Jirman, <i>et al.</i> , Collection Czechoslovak Chem. Commun., Vol. 52, pp 2474-2481 (1987)
	Jirman, <i>et al.</i> , Collection Czechoslovak Chem. Commun., Vol. 57, pp 1278-1281 (1992)

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	